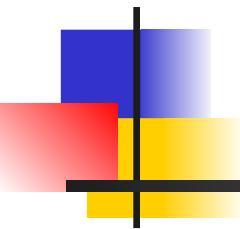


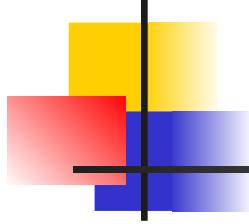


Uniformed Services University of the Health Sciences



National Capital Area Medical Simulation Center

J. Lopreiato MD, MPH

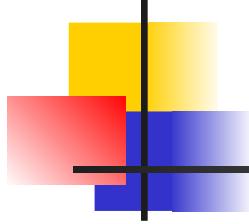


Commander-In-Chief's Trophy in Hand, Navy's Turnaround Complete: **Navy 34, Army 6**



Clinical Skills Teaching and Assessment Laboratory





Standardized Patient Exam



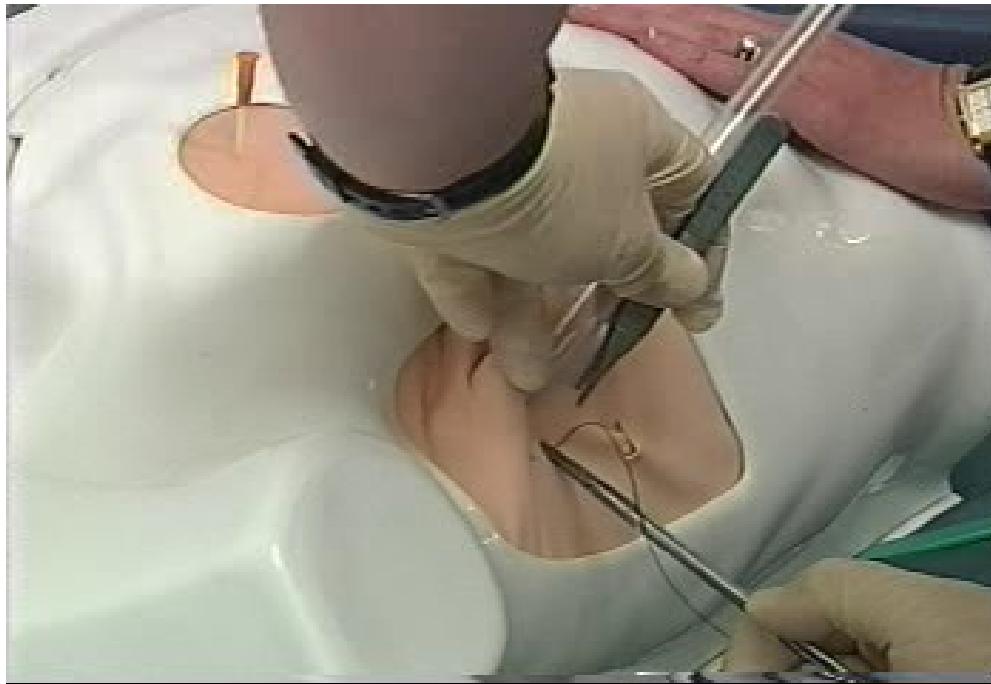
Clinical Skills Teaching and Assessment Laboratory

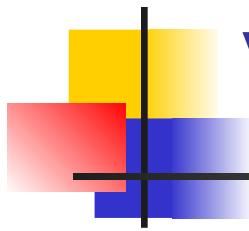


Surgical Simulation Laboratory

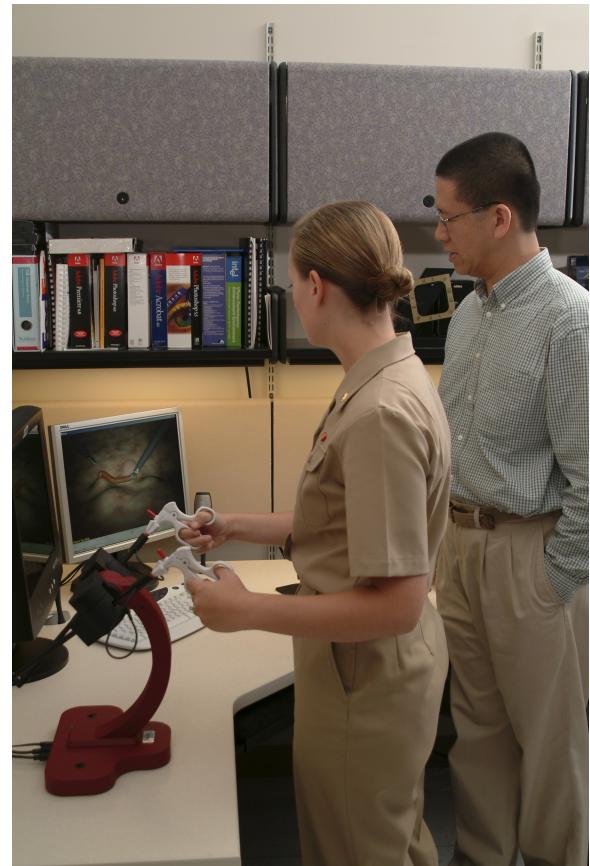


Surgical Simulation Laboratory



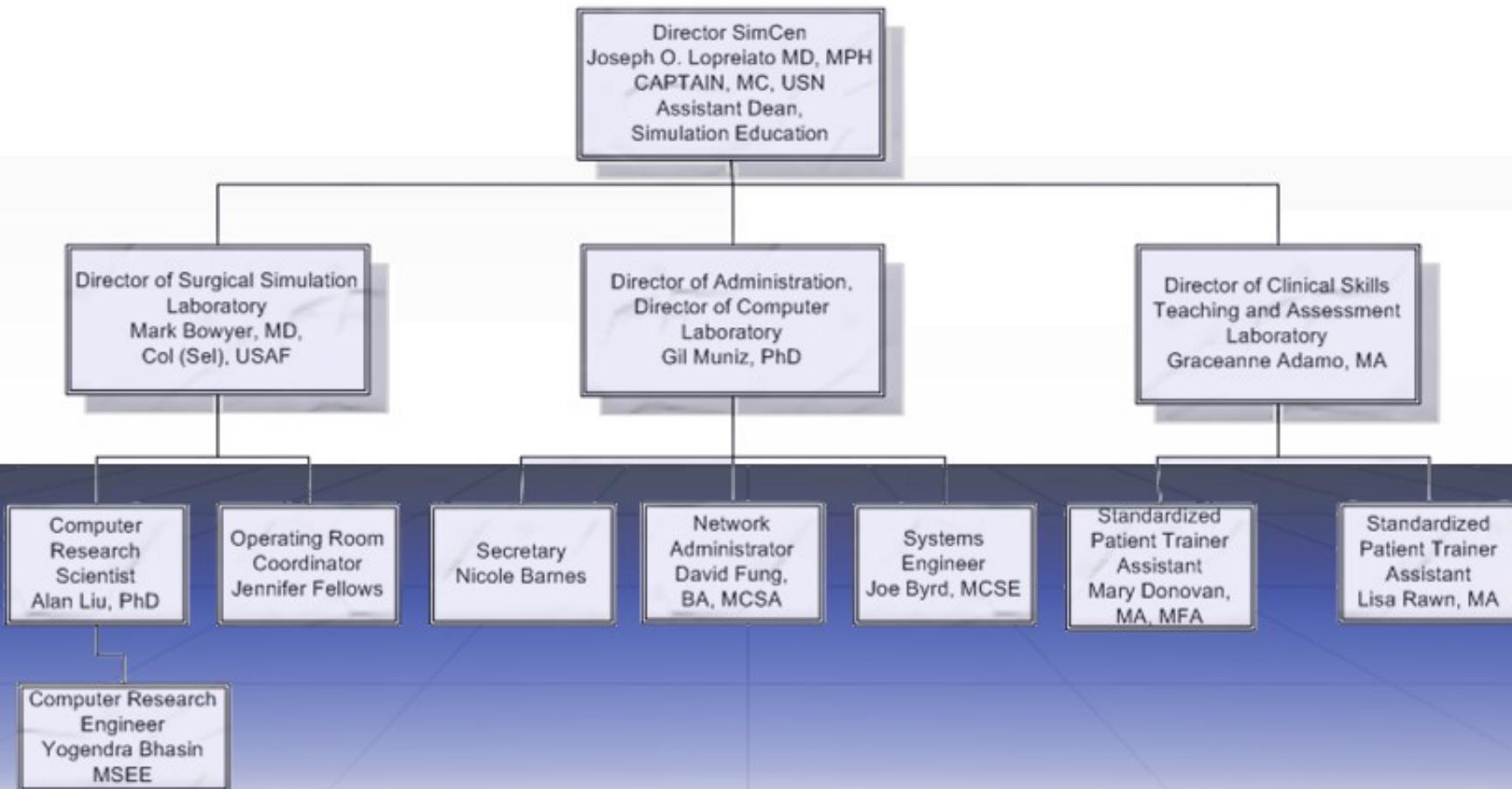


Virtual Reality Laboratory



National Capital Area Medical Simulation Center

04/07/03

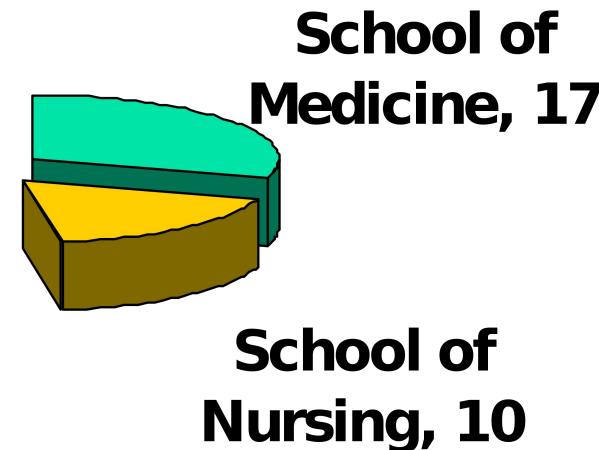
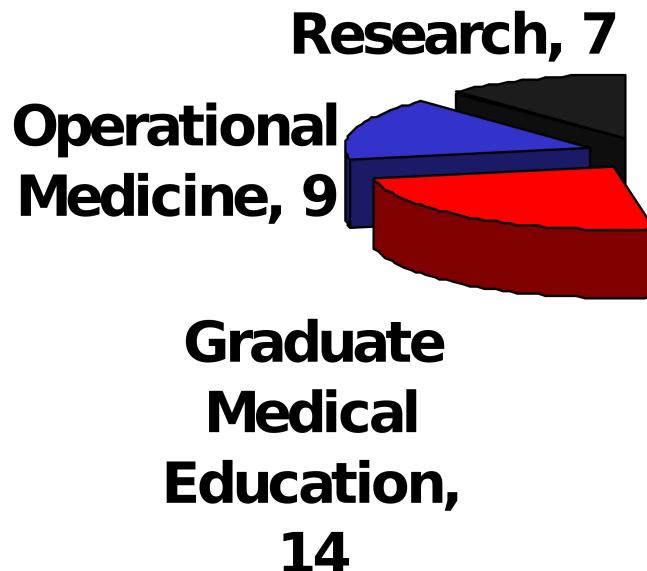


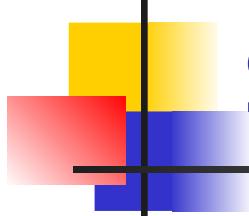
Target Population



- 660 USU Medical Students
- 87 USU Graduate Nursing Students
- More than 600 NCA Graduate Medical Education
- More than 2000 NCA Military Medical Personnel

Support for 57 Educational Projects



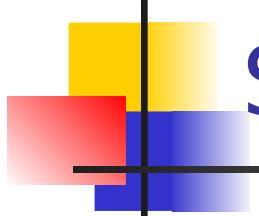


School of Medicine (1 of 2)

- Introduction to Clinical Medicine 1, 2, and 3
- Breast Exam Patient Instructors
- ICM OSCE



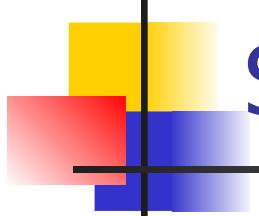
- Obstetrics & Gynecology Clerkship Event
- Pediatric Cardiac Auscultation
- Pediatric Clerkship Event



School of Medicine (2 of 2)

- General Surgery Clerkship Event
- Psychiatric Clerkship Event
- US Medical Licensing Exam Step I and II Test Training
- Family Practice Clerkship Advocacy Project



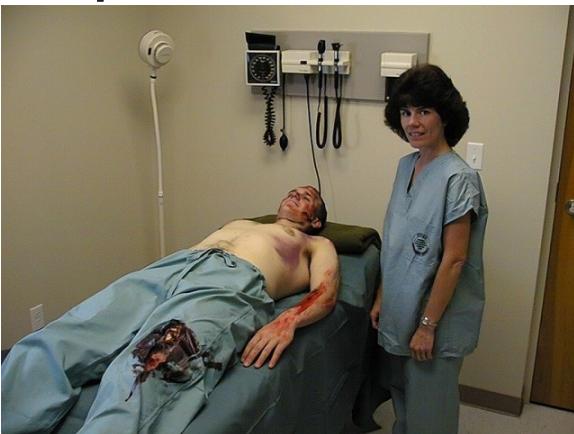


School of Nursing (1 of 2)

- Health Assessment Nurse Practitioners
- Health Assessment Nurse Anesthetists
- Women's Health Course
- Primary Care of the Adult Course
- Nurse Practitioner Practicum Early Formative Exam

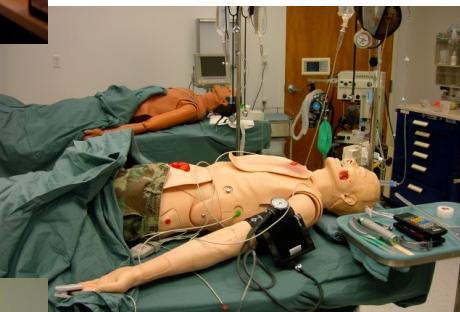


Graduate Medical Education (1 of 2)



- Advanced Trauma Life Support Certification
- Advanced Trauma Life Support Instructors Course
- Clinical Psychology Interns
- NCC Pulmonary & NIH Critical Care Fellowship Training

Graduate Medical Education (2 of 2)

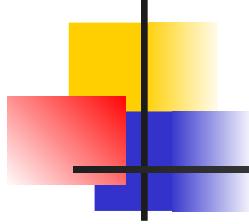


- Faculty Development Course GME Program Directors
- Pediatric Interns Clinical Practice Exam
- OSCE: NNMC Interns
- Psychiatric Residents Formative SP Event

Operational Medicine (Medical Readiness)

- USS Comfort: SP Humanitarian Exercise (2 events)
- Bushmaster MS 4
- Human Performance Lab IV Training
- WRAMC Critical Care Nurse Training





Research

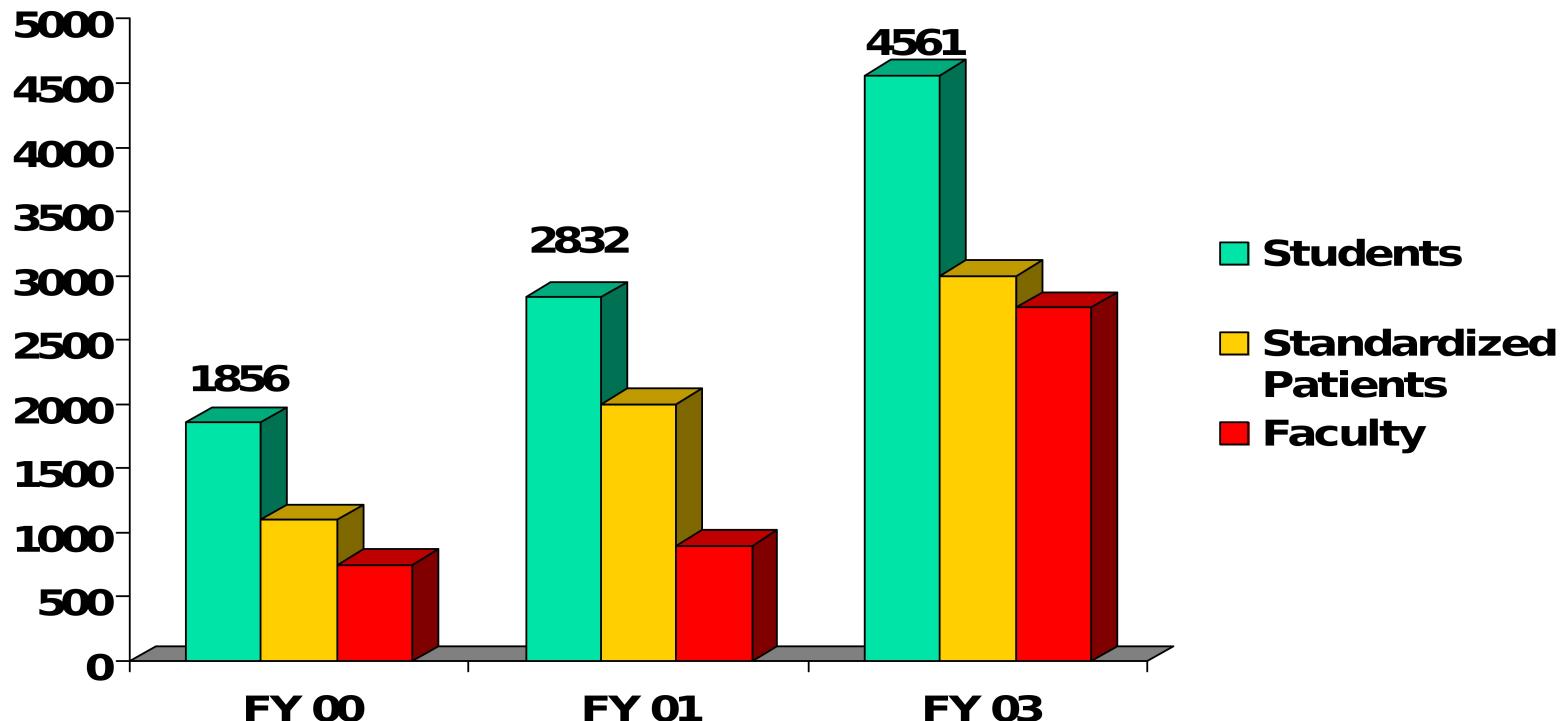


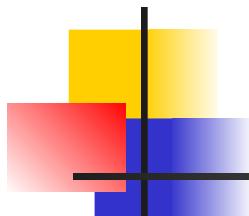
- Descriptive research of SP projects
- Distance Learning Projects
- ATLS Surgical Simulator Validation Studies
- Project Touch

Clinical Skills Teaching & Assessment Laboratory Utilization Profile

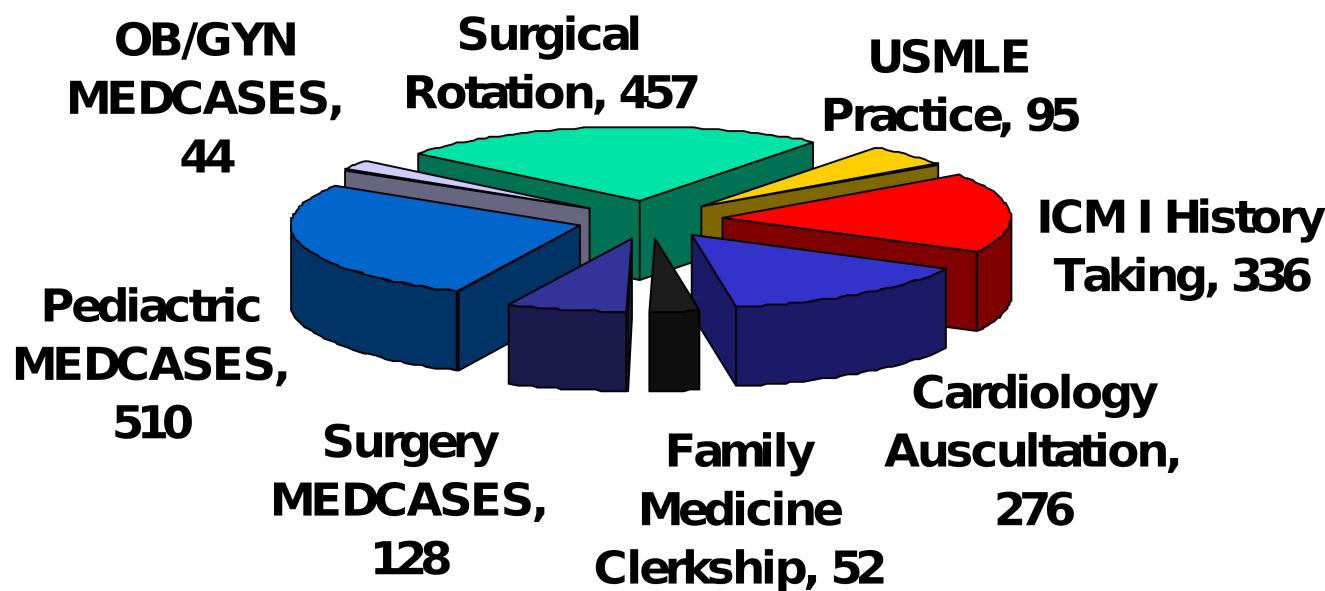


Total Number of Encounters: 9,249



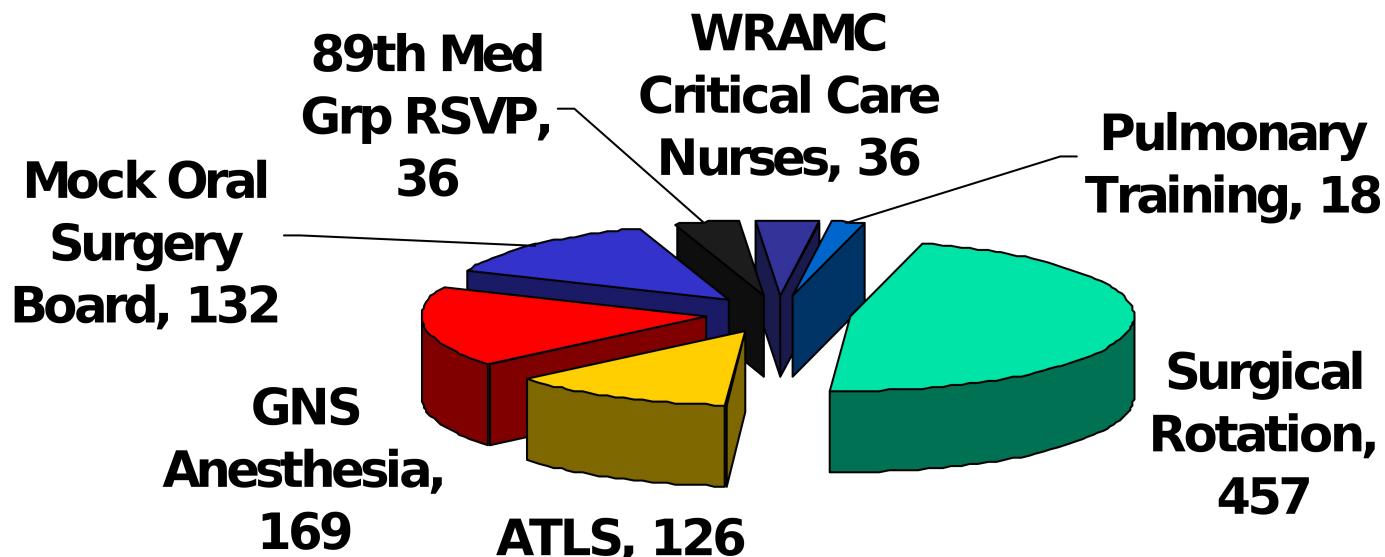


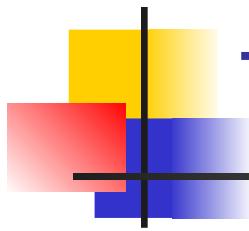
Computer Lab: 1,898 Encounters by Project FY00-02



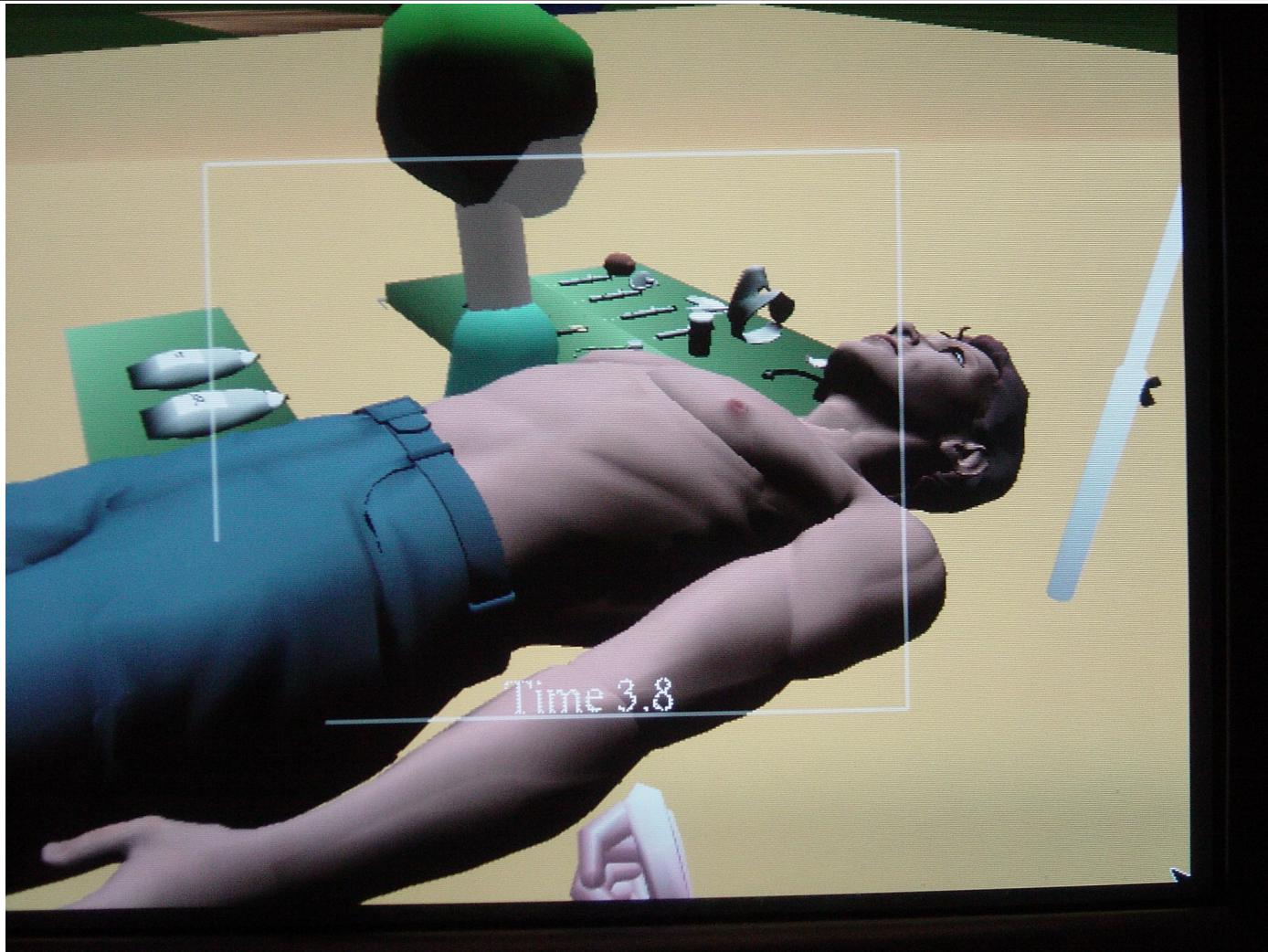


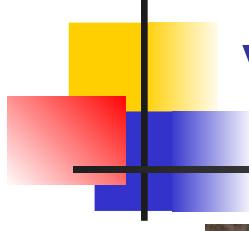
Surgical Simulation Lab: 974 Encounters by Project FY 00-02





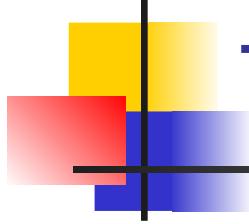
Touch Project



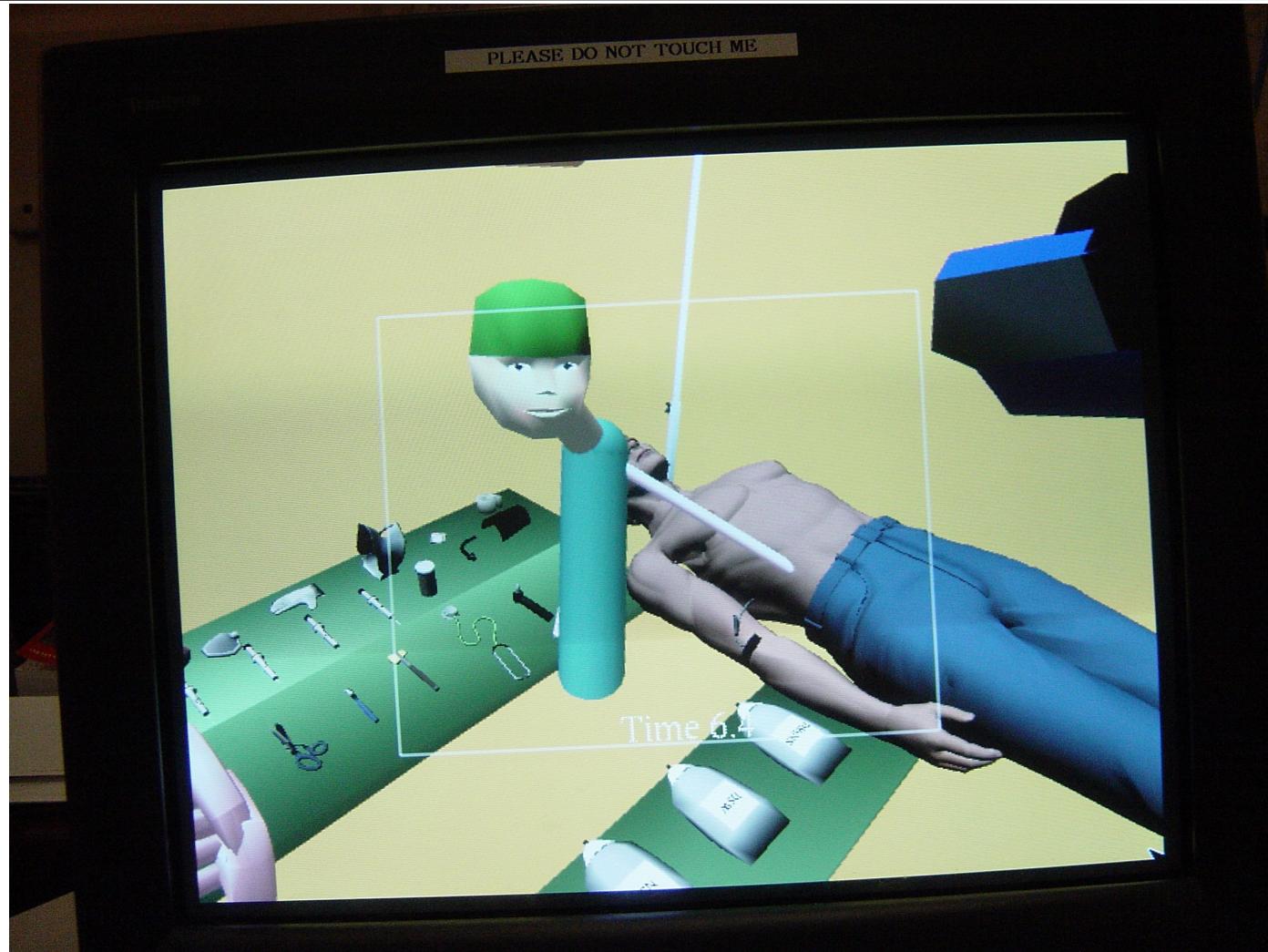


VR Headset



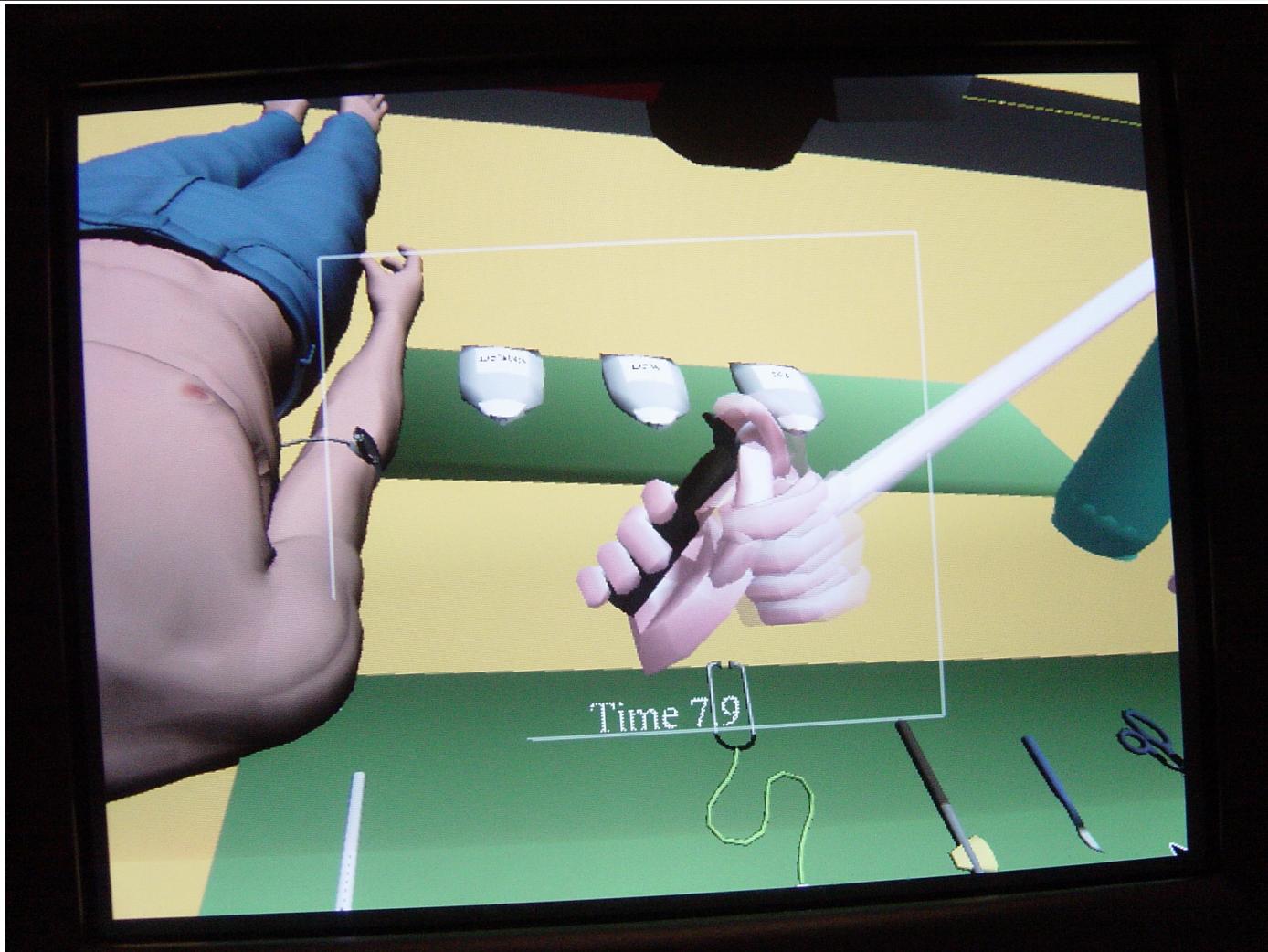


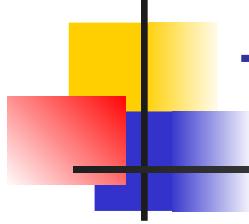
Touch Project



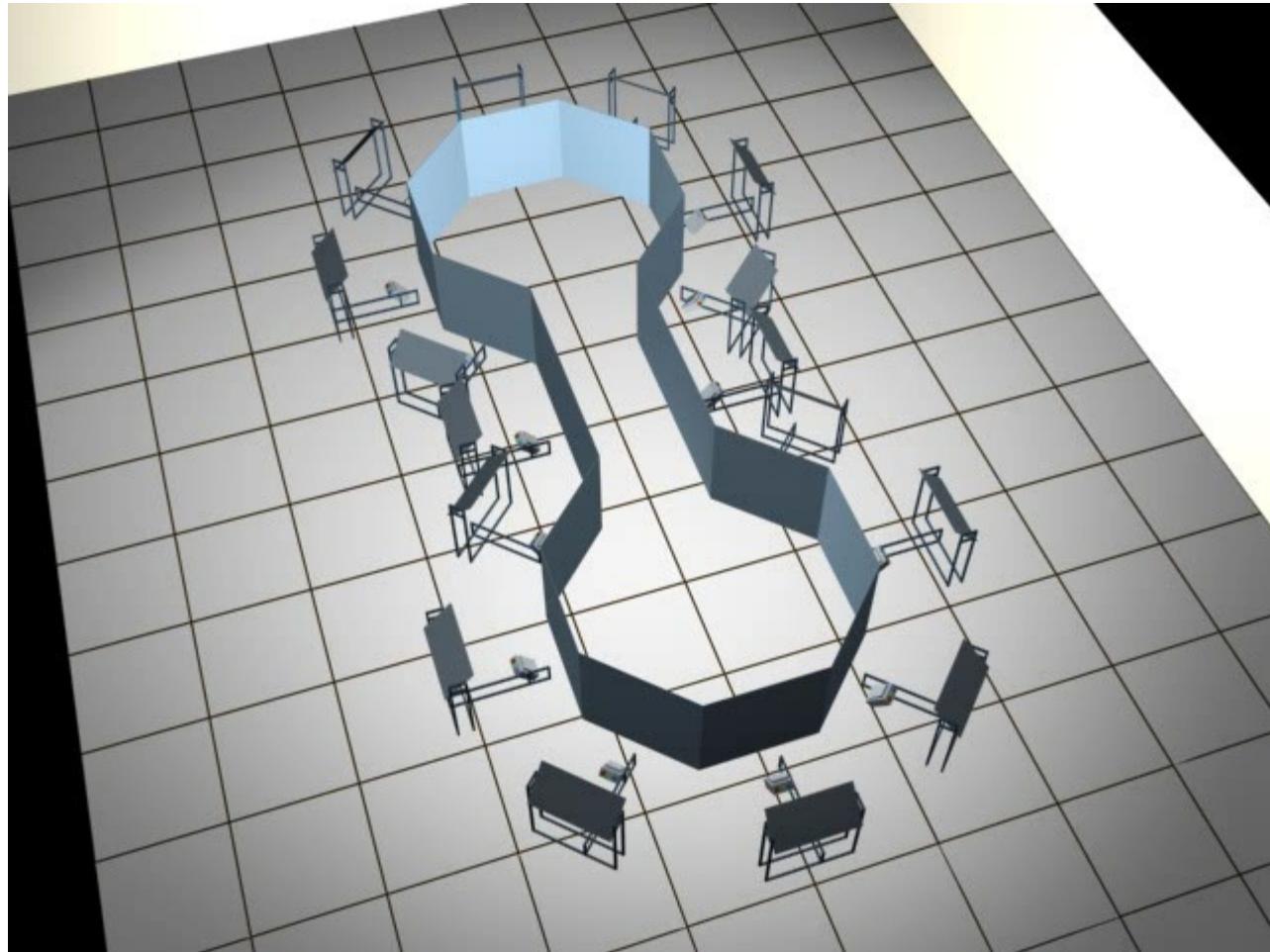


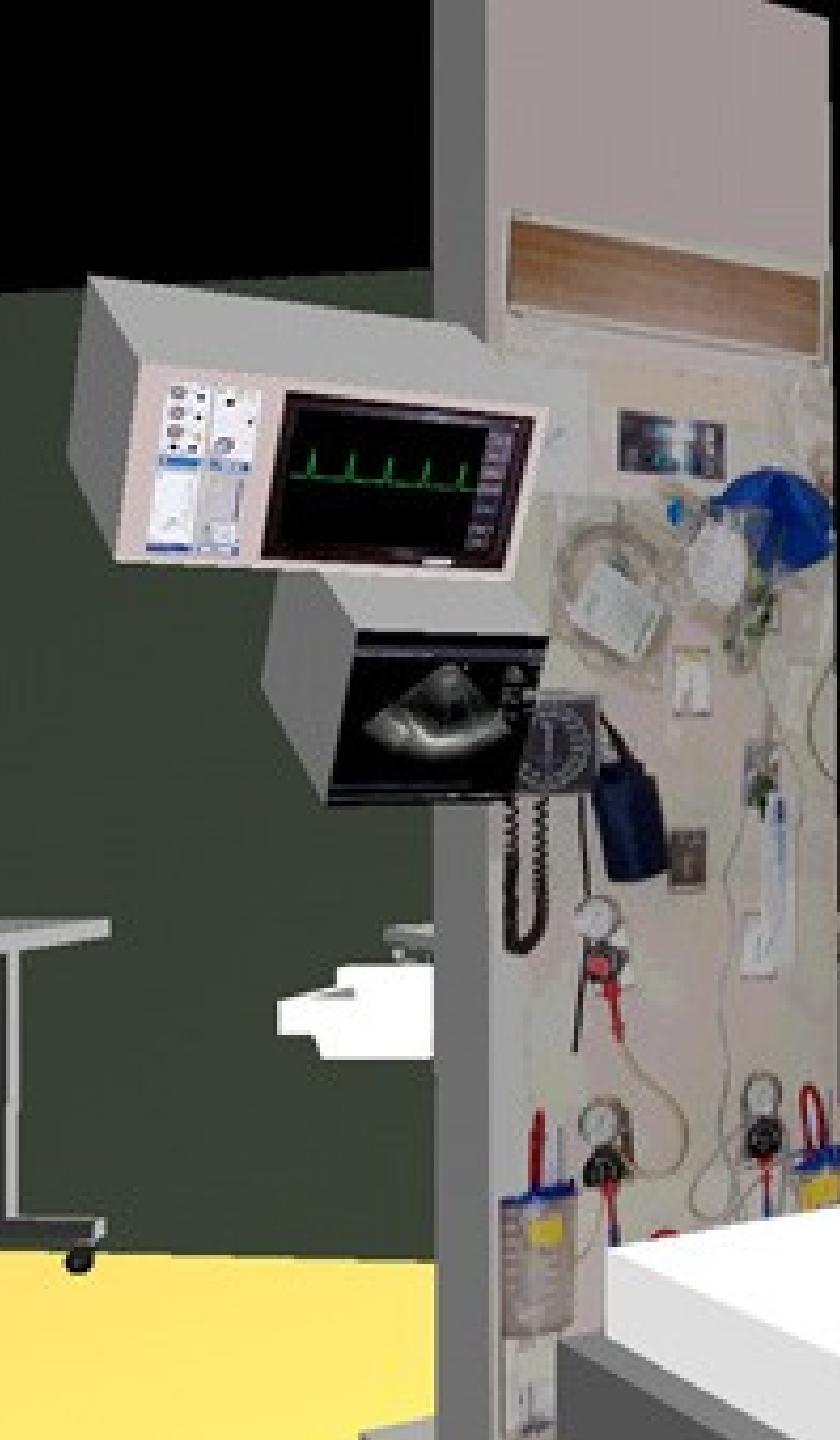
Touch Project

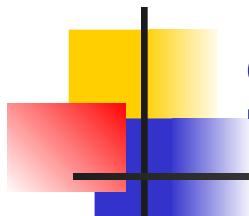




The CAVE

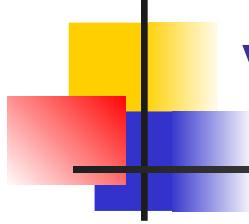






Simulated Operating Room



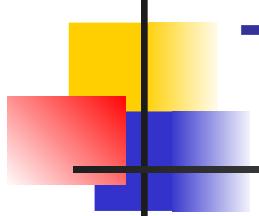


VR Downtown Landscape



Simulation in Trauma Care: Triage





The Future:

- Train groups in real time who are geographically separated
- Decentralize the SIMCENTER
- Combining SP's, Mannequins, Computer Programs to assess clinical skills
- Expand research on the outcomes of SIMCEN training.



Thank You!

